

IN THE CLAIMS

Please amend the claims to read as shown below on pages 3 through 14, a marked up version of the prior version of claims is shown on pages 15 through 30.

Change Claims to:

- 02
1. (amended) A network modeling method, comprising:  
aggregating enterprise related data that complies with a common data dictionary, and  
analyzing at least a portion of said data to create network models.
  2. (amended) The method of claim 1 where enterprise related data is obtained from the group consisting of advanced financial systems, basic financial systems, operation management systems, sales management systems, human resource systems, accounts receivable systems, accounts payable systems, capital asset systems, inventory systems, invoicing systems, payroll systems, purchasing systems and combinations thereof.
  3. (amended) The method of claim 1 where the data dictionary defines standard data attributes from the group consisting of account numbers, components of value, currencies, elements of value, enterprise designations, time periods, units of measure and combinations thereof.
  4. (amended) The method of claim 1 where data is analyzed using models from the group consisting of neural network models; regression models, generalized additive models; support vector method models, entropy minimization models, Bayesian models, induction models, multivalent models, and combinations thereof.
  5. (amended) The method of claim 1 where data is aggregated by retrieving data stored in accordance with the common data dictionary, accepting data prepared in accordance with the common data dictionary, converting data to the common data dictionary or combinations thereof.

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6. (amended) The method of claim 1 where the network models quantify the inter-relationship between each element of value, other elements of value and aspects of enterprise financial performance.
7. (amended) The method of claim 6 wherein the elements of value are selected from the group consisting of brands, customers, employees, partners, production equipment and vendors relationships.
8. (amended) The method of claim 6 wherein the aspects of enterprise financial performance are revenue, expense, capital change and market value.
9. (amended) The method of claim 6 where weights from the best fit network models quantify a relative contribution for each element of value to an aspect of enterprise financial performance.
10. (amended) The method of claim 1 where an enterprise is a single product, a group of products, a division or a company.
11. (amended) A computer readable medium having sequences of instructions stored therein, which when executed cause the processors in a plurality of computers that have been connected via a network to perform a network modeling method, comprising:  
aggregating enterprise related data that complies with a common data dictionary, and  
analyzing at least a portion of said data to create network models.
12. (amended) The computer readable medium of claim 11 where enterprise related data is obtained from the group consisting of advanced financial systems, basic financial systems, operation management systems, sales management systems, human resource systems, accounts receivable systems, accounts payable systems, capital asset systems, inventory systems, invoicing systems, payroll systems, purchasing systems and combinations thereof.
13. (amended) The computer readable medium of claim 11 where the data dictionary defines standard data attributes from the group consisting of account numbers, components of value, currencies, elements of value, enterprise designations, time periods, units of measure and combinations thereof.

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14. (amended) The computer readable medium of claim 11 where data is analyzed using models from the group consisting of neural network models; regression models, generalized additive models; support vector method models, entropy minimization models, Bayesian models, induction models, multivalent models, and combinations thereof.

15. (amended) The computer readable medium of claim 11 where data is aggregated by retrieving data stored in accordance with the common data dictionary, accepting data prepared in accordance with the common data dictionary, converting data to the common data dictionary or combinations thereof.

16. (amended) The computer readable medium of claim 11 where the network models quantify the inter-relationship between each element of value, other elements of value and aspects of enterprise financial performance.

17. (amended) The computer readable medium of claim 16 wherein the elements of value are selected from the group consisting of brands, customers, employees, partners, production equipment and vendors relationships.

18. (amended) The computer readable medium of claim 16 wherein the aspects of enterprise financial performance are revenue, expense, capital change and market value.

19. (amended) The computer readable medium of claim 16 where weights from the best fit network models are used to determine the value to the enterprise of each element of value.

20. (amended) The computer readable medium of claim 11 where an enterprise is a single product, a group of products, a division or a company.

21. (amended) A network modeling system, comprising:  
a computer with a processor having circuitry to execute instructions; a storage device available to said processor with sequences of instructions stored therein, which when executed cause the processor to:

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aggregate enterprise related data that complies with a common data dictionary, and analyze at least a portion of said data to create network models.

22. (amended) The system of claim 21 where enterprise related data is obtained from the group consisting of advanced financial systems, basic financial systems, operation management systems, sales management systems, human resource systems, accounts receivable systems, accounts payable systems, capital asset systems, inventory systems, invoicing systems, payroll systems, purchasing systems and combinations thereof.
23. (amended) The system of claim 21 where the data dictionary defines standard data attributes from the group consisting of account numbers, components of value, currencies, elements of value, enterprise designations, time periods, units of measure and combinations thereof.
24. (amended) The system of claim 21 where data is analyzed using models from the group consisting of neural network models; regression models, generalized additive models; support vector method models, entropy minimization models, Bayesian models, induction models, multivalent models, and combinations thereof.
25. (amended) The system of claim 21 where data is aggregated by retrieving data stored in accordance with the common data dictionary, accepting data prepared in accordance with the common data dictionary, converting data to the common data dictionary or combinations thereof.
26. (amended) The system of claim 21 where the network models quantify the inter-relationship between each element of value, other elements of value and aspects of enterprise financial performance.
27. (amended) The system of claim 26 wherein the elements of value are selected from the group consisting of brands, customers, employees, partners, production equipment and vendors relationships.



28. (amended) The system of claim 26 wherein the aspects of enterprise financial performance are revenue, expense, capital change and market value.
29. (amended) The system of claim 26 where best fit models are identified by genetic algorithms and the weights from the best fit network models are used in developing models for simulation and optimization of enterprise financial performance.
30. (amended) The system of claim 21 where an enterprise is a single product, a group of products, a division or a company.
31. (amended) A computer implemented element method, comprising:  
aggregating enterprise related data that complies with a common data dictionary, and  
analyzing at least a portion of said data with a series of models to identify one or more value drivers for each of one or more elements of value.
32. (amended) The method of claim 31 where the data dictionary defines standard data attributes from the group consisting of account numbers, components of value, currencies, elements of value, enterprise designations, time periods, units of measure and combinations thereof.
33. (amended) The method of claim 31 wherein the method further comprises:  
creating equations that summarize the impact of each element of value on one or more components of value.
34. (amended) The method of claim 33 where the equations are mathematical combinations of value drivers.
35. (amended) The method of claim 33 wherein the method further comprises:  
modeling aspects of enterprise financial performance using output from said equations to determine the contribution of each element of value to enterprise financial performance, and  
displaying the contribution using a paper document or electronic display.
36. (amended) The method of claim 35 wherein the aspects of enterprise financial performance are revenue, expense, capital change and market value.

37. (amended) An element modeling system, comprising:
- a plurality of computers, each with a processor having circuitry to execute instructions; a storage device available to each processor with sequences of instructions stored therein, which when executed cause the processors to:
    - aggregate enterprise related data that complies with a common data dictionary, and
    - analyze at least a portion of said data with a series of models to identify one or more value drivers for each of one or more elements of value.
38. (amended) The system of claim 37 where enterprise related data is obtained from the group consisting of advanced financial systems, basic financial systems, operation management systems, sales management systems, human resource systems, accounts receivable systems, accounts payable systems, capital asset systems, inventory systems, invoicing systems, payroll systems, purchasing systems and combinations thereof.
39. (amended) The system of claim 37 wherein the processors further:
  - create equations that summarize the impact of each element of value on one or more aspects of enterprise financial performance.
40. (amended) The system of claim 39 where the elements of value are selected from the group consisting of brands, customers, employees, partners, production equipment and vendors relationships.
41. (amended) The system of claim 39 wherein the processors further:
  - model aspects of enterprise financial performance using output from said equations to determine the contribution of each element of value to enterprise financial performance, and
  - display the contribution using a paper document or electronic display.
42. (amended) The system of claim 41 where models are from the group consisting of neural network models; regression models, generalized additive models; support vector method models, entropy minimization models, Bayesian models, induction models, multivalent models, and combinations thereof.

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43. (amended) A computer readable medium having sequences of instructions stored therein, which when executed cause the processors in a plurality of computers that have been connected via a network to perform an element method, comprising:

aggregating enterprise related data that complies with a common data dictionary, and analyzing at least a portion of said data with a series of models to identify one or more value drivers for each of one or more elements of value.

44. (amended) The computer readable medium of claim 43 where data is aggregated by retrieving data stored in accordance with the common data dictionary, accepting data prepared in accordance with the common data dictionary, converting data to the common data dictionary or combinations thereof.

45. (amended) The computer readable medium of claim 43 wherein the method further comprises:

creating equations that summarize the impact of each element of value on one or more aspects of enterprise financial performance.

46. (amended) The computer readable medium of claim 45 where an enterprise is a single product, a group of products, a division or a company.

47. (amended) The computer readable medium of claim 45 wherein the method further comprises:

modeling aspects of enterprise financial performance using output from said equations to determine the contribution of each element of value to enterprise financial performance, and

displaying the contribution using a paper document or electronic display.

48. (amended) The computer readable medium of claim 47 wherein the contributions can be used to determine the value to the enterprise of each element of value.

49. (amended) An enterprise tools method, comprising:

aggregating enterprise related data that complies with a common data dictionary, and using at least a portion of said data to create tools for enterprise management.

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50. (new) The method of claim 49 where enterprise related data is obtained from the group consisting of advanced financial systems, basic financial systems, operation management systems, sales management systems, human resource systems, accounts receivable systems, accounts payable systems, capital asset systems, inventory systems, invoicing systems, payroll systems, purchasing systems and combinations thereof.

51. (new) The method of claim 49 where the data dictionary defines standard data attributes from the group consisting of account numbers, components of value, currencies, elements of value, enterprise designations, time periods, units of measure and combinations thereof.

52. (new) The method of claim 49 where data is aggregated by retrieving data stored in accordance with the common data dictionary, accepting data prepared in accordance with the common data dictionary, converting data to the common data dictionary or combinations thereof.

53. (new) The method of claim 49 where the tools for enterprise performance management are from the group consisting of element performance indicators, element value drivers, element impact summaries, predictive revenue models, predictive expense models, capital change predictive models, element contribution percentages, element valuations, current operation valuations, growth option valuations, market sentiment calculations, enterprise value models, equity forecast models, enterprise valuations, network models, simulation models, optimization models, market value models, management reports and combinations thereof.

54. (new) The method of claim 49 where value drivers are causal element performance indicators and element performance indicators are selected from the group consisting of element variables, element variable ratios, element variable trends, element variable averages, element variable totals, time lagged element variable values, element variable rates of change and combinations thereof.

55. (new) The method of claim 49 where the element impact summaries are mathematical combinations of value drivers, logical combinations of value drivers or combinations thereof.

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56. (new) A computer readable medium having sequences of instructions stored therein, which when executed cause the processors in a plurality of computers that have been connected via a network to perform an enterprise tools method, comprising:

aggregating enterprise related data that complies with a common data dictionary, and using at least a portion of said data to create tools for enterprise management.

57. (new) The computer readable medium of claim 56 where enterprise related data is obtained from the group consisting of advanced financial systems, basic financial systems, operation management systems, sales management systems, human resource systems, accounts receivable systems, accounts payable systems, capital asset systems, inventory systems, invoicing systems, payroll systems, purchasing systems and combinations thereof.

58. (new) The computer readable medium of claim 56 where the data dictionary defines standard data attributes from the group consisting of account numbers, components of value, currencies, elements of value, enterprise designations, time periods, units of measure and combinations thereof.

59. (new) The computer readable medium of claim 56 where data is aggregated by retrieving data stored in accordance with the common data dictionary, accepting data prepared in accordance with the common data dictionary, converting data to the common data dictionary or combinations thereof.

60. (new) The computer readable medium of claim 56 where the tools for enterprise performance management are from the group consisting of element performance indicators, element value drivers, element impact summaries, predictive revenue models, predictive expense models, capital change predictive models, element contribution percentages, element valuations, current operation valuations, growth option valuations, market sentiment calculations, enterprise value models, equity forecast models, enterprise valuations, network models, simulation models, optimization models, market value models, management reports and combinations thereof.

61. (new) The computer readable medium of claim 56 where value drivers are causal element performance indicators and element performance indicators are selected from

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the group consisting of element variables, element variable ratios, element variable trends, element variable averages, element variable totals, time lagged element variable values, element variable rates of change and combinations thereof.

62. (new) The computer readable medium of claim 56 where the element impact summaries are mathematical combinations of value drivers, logical combinations of value drivers or combinations thereof.

63. (new) An enterprise tools system, comprising:

a computer with a processor having circuitry to execute instructions; a storage device available to said processor with sequences of instructions stored therein, which when executed cause the processor to:

aggregate enterprise related data that complies with a common data dictionary,  
and

use at least a portion of said data to create tools for enterprise management.

64. (new) The system of claim 63 where enterprise related data is obtained from the group consisting of advanced financial systems, basic financial systems, operation management systems, sales management systems, human resource systems, accounts receivable systems, accounts payable systems, capital asset systems, inventory systems, invoicing systems, payroll systems, purchasing systems and combinations thereof.

65. (new) The system of claim 63 where the data dictionary defines standard data attributes from the group consisting of account numbers, components of value, currencies, elements of value, enterprise designations, time periods, units of measure and combinations thereof.

66. (new) The system of claim 63 where data is aggregated by retrieving data stored in accordance with the common data dictionary, accepting data prepared in accordance with the common data dictionary, converting data to the common data dictionary or combinations thereof.

67. (new) The system of claim 63 where the tools for enterprise performance management are from the group consisting of element performance indicators, element

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value drivers, element impact summaries, predictive revenue models, predictive expense models, capital change predictive models, element contribution percentages, element valuations, current operation valuations, growth option valuations, market sentiment calculations, enterprise value models, equity forecast models, enterprise valuations, network models, simulation models, optimization models, market value models, management reports and combinations thereof.

68. (new) The system of claim 63 where value drivers are causal element performance indicators and element performance indicators are selected from the group consisting of element variables, element variable ratios, element variable trends, element variable averages, element variable totals, time lagged element variable values, element variable rates of change and combinations thereof.

69. (new) The system of claim 63 where the element impact summaries are mathematical combinations of value drivers, logical combinations of value drivers or combinations thereof.

70. (amended) An enterprise data method, comprising:

aggregating enterprise related data that complies with a common schema to support enterprise processing.

71. (new) The method of claim 70 where enterprise related data is obtained from the group consisting of advanced financial systems, basic financial systems, operation management systems, sales management systems, human resource systems, accounts receivable systems, accounts payable systems, capital asset systems, inventory systems, invoicing systems, payroll systems, purchasing systems and combinations thereof.

72. (new) The method of claim 70 where the schema comprises a data structure and a data dictionary and the data dictionary defines standard data attributes from the group consisting of account numbers, components of value, currencies, elements of value, enterprise designations, time periods, units of measure and combinations thereof.

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(new) A computer readable medium having sequences of instructions stored therein, which when executed cause the processors in a plurality of computers that have been connected via a network to perform an enterprise data method, comprising:

aggregating enterprise related data that complies with a common data dictionary to support enterprise processing.

74. (new) The computer readable medium of claim 73 where data is aggregated by retrieving data stored in accordance with the common data dictionary, accepting data prepared in accordance with the common data dictionary, converting data to the common data dictionary or combinations thereof.

75. (new) The computer readable medium of claim 73 where an enterprise is a single product, a group of products, a division or a company.

76. (new) An enterprise data system, comprising:

a computer with a processor having circuitry to execute instructions; a storage device available to said processor with sequences of instructions stored therein, which when executed cause the processor to:

aggregate enterprise related data that complies with a common data dictionary to support enterprise processing.

77. (new) The system of claim 76 where enterprise processing supports the development of tools for enterprise performance management.

78. (new) The system of claim 77 where the tools for enterprise performance management are from the group consisting of element performance indicators, element value drivers, element impact summaries, predictive revenue models, predictive expense models, capital change predictive models, element contribution percentages, element valuations, current operation valuations, growth option valuations, market sentiment calculations, enterprise value models, equity forecast models, enterprise valuations, network models, simulation models, optimization models, market value models, management reports and combinations thereof.